

IN THE CLAIMS:

Please cancel claims 1-28 without prejudice.

Please add new claims 29, *et seq.* as follows:

- 1 29. (New) A method for operating a data storage network, comprising:
2 executing a configuration verification computer program;
3 checking, by the configuration verification computer program, versions of a se-
4 lected component of a plurality of components installed in the data storage network;
5 checking, by the configuration verification computer program, configuration set-
6 tings of the selected component of the plurality of components of the data storage net-
7 work;
8 determining, in response to the configuration settings, if there are any misconfigu-
9 ration settings; and
10 sending, in response to determining that there are no misconfiguration settings, a
11 directed packet through a potential data path to ensure that a component of the storage
12 network is operational.
- 1 30. (New) The method as in claim 29, further comprising:
2 presenting, in response to determining that there are misconfiguration settings, a
3 report to a user identifying a set of warnings and errors with the configuration settings.
- 1 31. (New) The method of claim 30 further comprising:
2 including a return code in the report.
- 1 32. (New) The method of claim 30, further comprising:

2 presenting in the report a graphical representation of a configuration of an envi-
3 ronment of the storage network.

1 33. (New) The method of claim 32, further comprising:
2 presenting in the graphical representation a version and current configuration of
3 each component of the storage environment.

1 34. (New) The method of claim 30 further comprising:
2 correcting automatically any of the set of warnings and errors.

1 35. (New) The method of claim 30 further comprising:
2 passing the set of warnings and errors to an expert system.

1 36. (New) The method of claim 29, further comprising:
2 entering a command by a user to execute the configuration verification computer
3 program.

1 37. (New) The method of claim 29, further comprising:
2 initiating the configuration verification program by an administrator.

1 38. (New) The method of claim 29, further comprising:
2 configuring one or more storage systems as a component of the plurality of com-
3 ponents.

1 39. (New) The method of claim 29, further comprising:
2 configuring one or more clients as a component of the plurality of components.

1 40. (New) The method of claim 29, further comprising:

2 configuring one or more network switches as a component of the plurality of
3 components.

1 41. (New) The method of claim 29, further comprising:
2 configuring one or more interconnecting cables as a component of the plurality of
3 components.

1 42. (New) The method of claim 29, further comprising:
2 accessing each of a storage system of the data storage network by the configura-
3 tion verification program to determine a version of a storage operating system executing
4 on the storage system.

1 43. (New) The method of claim 42 further comprising:
2 sending a remote application program interface command to the storage system to
3 access the storage system.

1 44. (New) The method of claim 42 further comprising:
2 repeating selecting the selected component until all components of the data stor-
3 age network are checked by the configuration verification computer program.

1 45. (New) A data storage network, comprising:
2 a configuration verification computer program;
3 the configuration verification computer program to check versions of a selected
4 component of a plurality of components installed in the data storage network;
5 the configuration verification computer program to check configuration settings
6 of the selected component of the plurality of components of the data storage network;
7 a processor to determine, in response to the configuration settings, if there are any
8 misconfiguration settings; and

9 a port to send, in response to determining that there are no misconfiguration set-
10 tings, a directed packet through a potential data path to ensure that a component of the
11 storage system is operational.

1 46. (New) The data storage network as in claim 45, further comprising:
2 a report to present, in response to determining that there are misconfiguration set-
3 tings, to a user identifying a set of warnings and errors with the configuration settings.

1 47. (New) The data storage network of claim 46 further comprising:
2 a return code included in the report.

1 48. (New) The data storage network of claim 46, further comprising:
2 the report presenting a graphical representation of a configuration of an environ-
3 ment of the storage network.

1 49. (New) The data storage network of claim 48, further comprising:
2 the graphical representation presenting a version and current configuration of each
3 component of the storage environment.

1 50. (New) The data storage network of claim 46 further comprising:
2 a processor to correct automatically any of the set of warnings and errors.

1 51. (New) The data storage network of claim 46 further comprising:
2 a processor to pass the set of warnings and errors to an expert system.

1 52. (New) The data storage network of claim 45, further comprising:
2 a command entered by a user to execute the configuration verification computer
3 program.

- 1 53. (New) The data storage network of claim 45, further comprising:
2 a command for an administrator to initiate the configuration verification program.
- 1 54. (New) The data storage network of claim 45, further comprising:
2 one or more storage systems configured as a component of the plurality of com-
3 ponents.
- 1 55. (New) The data storage network of claim 45, further comprising:
2 one or more clients configured as a component of the plurality of components.
- 1 56. (New) The data storage network of claim 45, further comprising:
2 one or more network switches configured as a component of the plurality of com-
3 ponents.
- 1 57. (New) The data storage network of claim 45, further comprising:
2 one or more interconnecting cables configured as a component of the plurality of
3 components.
- 1 58. (New) The data storage network of claim 45, further comprising:
2 a command to access each of a storage system of the data storage network by the
3 configuration verification program to determine a version of a storage operating system
4 executing on the storage system.
- 1 59. (New) The data storage network of claim 58 further comprising:
2 a remote application program interface command sent as the command to the
3 storage system to access the storage system.
- 1 60. (New) The data storage network of claim 45 further comprising:

2 a processor to repeatedly select the selected component until all components of
3 the data storage network are checked by configuration verification computer program.

1 61. (New) A computer readable media, comprising:
2 said computer readable media containing instructions for execution on a processor
3 for a method of operating a data storage network, the method having the steps of:
4 executing a configuration verification computer program;
5 checking, by the configuration verification computer program, versions of a se-
6 lected component of a plurality of components installed in the data storage network;
7 checking, by the configuration verification computer program, configuration set-
8 tings of the selected component of the plurality of components of the data storage net-
9 work;
10 determining, in response to the configuration settings, if there are any misconfigu-
11 ration settings; and
12 sending, in response to determining that there are no misconfiguration settings, a
13 directed packet through a potential data path to ensure that a component of the storage
14 network is operational.